

Specifications.

BMW 2 Series Convertible.

220i, 230i



		BMW 220i Convertible	BMW 230i Convertible
Body			
No. of doors/seats		2 / 4	2 / 4
Length/width/height (unladen)	mm	4432 / 1774 / 1413	4432 / 1774 / 1413
Wheelbase	mm	2690	2690
Front/rear track	mm	1521 / 1556	1521 / 1556
Ground clearance	mm	140	140
Turning circle	m	10.9	10.9
Fuel capacity	approx. l	52	52
Engine oil capacity ¹⁾	l	5.25	5.25
Weight, unladen (DIN/EU)	kg	1520 / 1595 (1540 / 1615)	1540 / 1615 (1570 / 1645)
Payload (DIN)	kg	470	440
Permitted total weight	kg	1990 (2010)	1980 (2010)
Permitted axle load, front/rear	kg	900 / 1145	920 / 1130
Permitted trailer load (12%) braked/unbraked	kg	1500 / 750	1500 / 750
Permitted roof load/trailer download	kg	- / 75	- / 75
Luggage compartment capacity	l	280 – 335	280 – 335
Aerodynamic drag	c _x x A	0.32 x 2.13	0.33 x 2.13
Engine			
Type/no. of cylinders/valves		in-line / 4 / 4	in-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: twin-scroll turbocharger, direct injection system High Precision Injection, fully variable valve control (VALVETRONIC) and double VANOS variable camshaft timing	
Effective capacity	cc	1998	1998
Stroke/bore	mm	94.6 / 82.0	94.6 / 82.0
Compression ratio	:1	11.0	10.2
Fuel type		min RON 91	min RON 91
Output	kW/hp	135 / 184	185 / 252
at rpm	min ⁻¹	5000	5200
Torque	Nm	290	350
at rpm	min ⁻¹	1350 – 4250	1450 – 4800
Electrical			
Battery charge/location	Ah/-	80 / luggage compartment	80 / luggage compartment
Driving Dynamics and Safety			
Front suspension		Aluminium double-joint spring strut axle	
Rear suspension		Five-link axle in lightweight steel construction with double elastic bearing	
Front brakes		Single-piston floating-calliper disc brakes	
Rear brakes		Single-piston floating-calliper disc brakes	
Driving stability systems		Standard: DSC incl. ABS, ASC and DTC (Dynamic Traction Control), CBC Cornering Brake Control, DBC Dynamic Brake Control, brake drying function, fading compensation, start-off assistant	
Safety equipment		Standard: driver and front-seat passenger airbags, driver and front-seat passenger side airbags with combined head airbags, three-point automatic seatbelts for all seats, seatbelt tensioners and seatbelt force limiters in front seats, crash sensors, tyre pressure indicator	
Steering		Electromechanical rack-and-pinion power steering (EPS); optional: Servotronic function, Variable Sport Steering	
Overall steering ratio	:1	15.0	15.0
Front/rear tyres		205/55 R16 91W	205/50 R17 89Y
Front/rear wheels		7J x 16 light-alloy	7J x 17 light-alloy

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Transmission			
Type of gearbox	6-speed manual (optional: 8-speed Steptronic)		
Gear ratios	I	:1 4.002 (5.000)	3.683 (5.000)
	II	:1 2.130 (3.200)	2.062 (3.200)
	III	:1 1.396 (2.143)	1.313 (2.143)
	IV	:1 1.000 (1.720)	1.000 (1.720)
	V	:1 0.781 (1.314)	0.809 (1.314)
	VI	:1 0.668 (1.000)	0.677 (1.000)
	VII	:1 – (0.822)	– (0.822)
	VIII	:1 – (0.640)	– (0.640)
	R	:1 3.647 (3.456)	3.348 (3.456)
Differential ratio		:1 3.462 (2.813)	3.909 (2.813)
Performance			
Weight-to-power ratio (DIN unladen)	kg/kW	11.3 (11.4)	8.3 (8.5)
Specific power output	kW/l	67.6	92.6
Acceleration 0–100 km/h	sec	7.5 (7.7)	6.1 (5.9)
in 5th gear 80–120 km/h	sec	9.5 (–)	7.2 (–)
Max. speed	km/h	231 (226)	250 (250)
BMW EfficientDynamics			
BMW EfficientDynamics Features included as standard	Brake Energy Regeneration with recuperation display, electric power steering (EPS), Auto Start Stop function, gear shift indicator, ECO PRO mode with coasting function (automatic), intelligent lightweight construction, optimised aerodynamic attributes, on-demand operation of ancillary units, map-regulated oil pump, differential with optimized-warm-up behaviour, tyres with reduced rolling resistance		
Fuel consumption (EU) ²⁾			
with standard wheels and tyres: 7J x 16" rims and 205/55 R16 tyres (BMW 220i Convertible), 7J x 17" rims and 205/50 R17 tyres (BMW 230i Convertible)			
Urban	l/100 km	8.0 (7.2)	8.5 (7.6)
Extra-urban	l/100 km	4.9 (4.9)	5.3 (5.1)
Total	l/100 km	6.1 (5.7)	6.5 (6.0)
CO ₂ emissions	g/km	139 (131)	149 (137)
with 7J x 17" rims and 205/50 R17 tyres (BMW 220i Convertible), with 7.5J x 17" rims and 225/45 R 17 tyres, with 7.5J x 17" front rims, 8J x 17" rear rims and 225/45 R17 front tyres, 245/40 R17 rear tyres			
Urban	l/100 km	8.4 (7.6)	8.9 (7.8)
Extra-urban	l/100 km	5.2 (5.2)	5.5 (5.3)
Total	l/100 km	6.4 (6.1)	6.8 (6.2)
CO ₂ emissions	g/km	145 (138)	155 (142)
with 7.5J x 18" front rims, 8J x 18" rear rims and 225/40 R18 front tyres, 245/35 R18 rear tyres and with winter tyres			
Urban	l/100 km	8.6 (7.7)	8.9 (7.8)
Extra-urban	l/100 km	5.3 (5.2)	5.5 (5.3)
Total	l/100 km	6.5 (6.1)	6.8 (6.2)
CO ₂ emissions	g/km	149 (140)	155 (142)
Emissions standard		EU6	EU6

Technical data valid for ACEA countries/Some permitted weights valid only for Germany
Figures in brackets are for vehicles with automatic transmission

¹⁾ Oil change volume

²⁾ Fuel consumption and CO₂ emissions depend on the selected tyre format